Curriculum vitae

Ola Jabali

Dipartimento di Elettronica, Informazione e Bioingegneria
Politecnico di Milano
Piazza Leonardo da Vinci, 32
20133 Milano, Italy
e-mail: ola.jabali@polimi.it

UNIVERSITY EDUCATION

2006 – 2010	**Ph.D. in Industrial Engineering** Eindhoven University of Technology, School of Industrial Engineering, Eindhoven, the Netherlands Thesis: "Time and Timing in Vehicle Routing Problems" Supervisors: Prof. T. Van Woensel and Prof. A.G. de Kok
2003 – 2006	**M.Sc. in Industrial Engineering** Technion, Israel Institute of Technology, Faculty of Industrial Engineering and Management, Haifa, Israel Thesis: "Resource Scheduling in Emergency Departments" Supervisor: Dr. D. Sinreich
1998 – 2003	**B.Sc. in Industrial Engineering and Management** Technion, Israel Institute of Technology, Faculty of Industrial Engineering and Management, Haifa, Israel

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EMPLOYMENT

02/2020 –	**Associate professor** Politecnico di Milano, Dipartimento di Elettronica, Informazione e Bioingegneria, Italy
09/2016 – 02/2020	**Assistant professor** Politecnico di Milano, Dipartimento di Elettronica, Informazione e Bioingegneria, Italy Maternity and parental leave 10/2018 – 04/2019
07/2012 – 08/2016	**Assistant professor** HEC Montréal, Department of Logistics and Operations Management, Canada Unpaid leave from 09/2016 till 07/2018 Maternity leave 09/2014 – 08/2015
01/2012 – 05/2012	**Post-doctoral fellow** HEC Montréal, Canada and CIRRELT, Montréal, Canada Supervisors: Prof. G. Laporte and Prof. M. Gendreau
01/2012 – 04/2012	**Lecturer** McGill University, Desautels Faculty of Management Montréal, Canada

01/2011 – 12/2011 **Post-doctoral fellow**
École Polytechnique de Montréal, Mathematics and
Industrial Engineering Department, Montréal, Canada
and CIRRELT, Montréal, Canada
Supervisors: Prof. G. Laporte and Prof. M. Gendreau

AFFILIATIONS

2018 – **Affiliated professor**
HEC Montréal, Department of Logistics and Operations Management, Canada

2016 – **Collaborating member**
ICOOR - Interuniversity Consortium for Optimization and Operation Research, Italy

2013 – **Collaborating member**
CIRRELT - Interuniversity Research Centre on Enterprise Networks, Logistics
and Transportation, Montréal, Canada

PUBLICATIONS

Scientific journals

[1] T. Schettini, O. Jabali and F. Malucelli (2021). "Demand-Driven Timetabling for a Metro Corridor Using a Short-Turning Acceleration Strategy" , to appear in *Transportation Science*.

[2] T. Schettini, O. Jabali and F. Malucelli (2021). "A Benders Decomposition Algorithm for Demand-Driven Metro Scheduling", to appear in *Computers & Operations Research*.

[3] A. Froger, O. Jabali, J. E. Mendoza, G. Laporte (2021). "The electric vehicle routing problem with capacitated charging stations", to appear in *Transportation Science*.

[4] C. Archetti, A. Mor, O. Jabali, A. Simonetto and M.G. Speranza (2022). "The Bi-objective Long-haul Transportation Problem on a Road Network", *Omega*, 106, 102522.

[5] P. Fontaine, T.G. Crainic, O. Jabali and W. Rei (2021) "Multi-modal Scheduled Service Network Design with Resource Management for Two-tier City Logistics". *European Journal of Operational Research*, 294, 558–570.

[6] O. Arslan, O. Jabali and G. Laporte (2020). "A Flexible Natural Formulation for the Network Design Problem with Vulnerability Constraints", *INFORMS Journal on Computing*, 32, 120–134.

[7] O. Arslan, C. Archetti, O. Jabali, G. Laporte and M. G. Speranza (2020). "Minimum Cost Network Design in Strategic Alliances", *Omega*, 96, 1–10.

[8] S. Pelletier, O. Jabali, J.E. Mendoza and G. Laporte (2019), "The Electric Bus Fleet Transition Problem". *Transportation Research Part C: Emerging Technologies*, 109, 174–193.

[9] M. Salavati-Khoshghalb, M. Gendreau, O. Jabali and W. Rei (2019). "A Rule-Based Recourse for the Vehicle Routing Problem with Stochastic Demands", *Transportation Science*, 53, 1334–1353.

[10] M. Salavati-Khoshghalb, M. Gendreau, O. Jabali and W. Rei (2019). "A Hybrid Recourse for the Vehicle Routing Problem with Stochastic Demands", *EURO Journal on Transportation and Logistics*, 8, 269–298.

[11] S. Pelletier, O. Jabali and G. Laporte (2019). "The Electric Vehicle Routing Problem with Energy Consumption Uncertainty", *Transportation Research Part B*, 126, 225–255.

[12] Ç. Koç, O. Jabali, J.E. Mendoza and G. Laporte (2019). "The Electric Vehicle Routing Problem with Shared Charging Stations", *International Transactions in Operational Research*, 26, 1211–1243.

[13] F. Hernandez, M. Gendreau, O. Jabali and W. Rei (2019). "A Local Branching Matheuristic for the Multi-Vehicle Routing Problem with Stochastic Demands", *Journal of Heuristics*, 25, 215–245.

[14] M. Salavati-Khoshghalb, M. Gendreau, O. Jabali and W. Rei (2019). "An Exact Algorithm to Solve the Vehicle Routing Problem with Stochastic Demands Under an Optimal Restocking Policy", *European Journal of Operational Research*, 273, 175–189.

[15] A. Froger, J.E. Mendoza, O. Jabali, G. Laporte (2019). "Improved Formulations and Algorithmic Components for the Electric Vehicle Routing Problem with Nonlinear Charging Functions", *Computers & Operations Research*, 104, 256–294.

[16] D. Taş, M. Gendreau, O. Jabali and R. Jans (2019). "A Capacitated Lot Sizing Problem with Stochastic Setup Times", *European Journal of Operational Research*, 273, 146–159.

[17] O. Arslan, O. Jabali and G. Laporte (2018). "Exact Solution Approach of the Evasive Flow Capturing Problem", *Operations Research*, 66, 1625–1640.

[18] S. Pelletier, O. Jabali and G. Laporte (2018). "A Charge Scheduling for Electric Freight Vehicles", *Transportation Research Part B*, 115, 246–269.

[19] Ç. Koç, O. Jabali and G. Laporte (2018). "Long-Haul Vehicle Routing and Scheduling with Idling Options", *The Journal of the Operational Research Society*, 69, 235–246.

[20] A. Franceschetti, O. Jabali, G. Laporte (2017). "Rejoinder on: Continuous Approximation Models in Freight Distribution Management", *TOP*, 25, 443–444.

[21] A. Franceschetti, O. Jabali, G. Laporte (2017). "Continuous Approximation Models in Freight Distribution Management", *TOP*, 25, 413–433.

[22] S. Pelletier, O. Jabali and G. Laporte (2017). "Battery Degradation and Behaviour for Electric Vehicles: Review and Numerical Analyses of Several Models", *Transportation Research Part B*, 103, 105–187.

[23] M. Gendreau, O. Jabali and W. Rei (2016). "50th anniversary invited article–Future Research Directions in Stochastic Vehicle Routing", *Transportation Science*, 50, 1163–1173.

[24] Ç. Koç, T. Bektaş, O. Jabali and G. Laporte (2016). "A Comparison of Three Idling Options in Long-haul Truck Scheduling", *Transportation Research Part B*, 93 (Part A), 631–647.

[25] S. Pelletier, O. Jabali and G. Laporte (2016). "50th anniversary invited article–Goods Distribution with Electric Vehicles: Review and Research Perspectives", *Transportation Science*, 50, 3–22.

[26] Ç. Koç, T. Bektaş, O. Jabali and G. Laporte (2016). "The Impact of Location, Fleet Composition and Routing on Emissions in City Logistics", *Transportation Research Part B*, 84, 81–102.

[27] Ç. Koç, T. Bektaş, O. Jabali and G. Laporte (2016). "Thirty Years of Heterogeneous Vehicle Routing", *European Journal of Operational Research*, 249, 1–21.

[28] D. Taş, M. Gendreau , O. Jabali and G. Laporte (2016). "The Traveling Salesman Problem with Time-Dependent Service Times", *European Journal of Operational Research*, 248, 372–383.

[29] Ç. Koç, T. Bektaş, O. Jabali and G. Laporte (2016). "The Fleet Size and Mix Location-Routing Problem with Time Windows: Formulations and a Heuristic Algorithm", *European Journal of Operational Research*, 248, 33–51.

[30] Ç. Koç, T. Bektaş, O. Jabali and G. Laporte (2015). "A Hybrid Evolutionary Algorithm for Heterogeneous Fleet Vehicle Routing Problems with Time Windows", *Computers & Operations Research*, 64, 11–27.

[31] C. Archetti, O. Jabali and M. G. Speranza (2015). "Multi-Period Vehicle Routing Problem with Due Dates", *Computers & Operations Research*, 61, 122–134.

[32] O. Jabali, R. Leus, T. Van Woensel and A.G. de Kok (2015). "Self-Imposed Time Windows in Vehicle Routing Problems", *OR Spectrum*, 36, 297–330.

[33] Ç. Koç, T. Bektaş, O. Jabali and G. Laporte (2014). "The Fleet Size and Mix Pollution-Routing Problem", *Transportation Research Part B*, 70, December, 239–254.

[34] D. Taş, O. Jabali and T. Van Woensel (2014). "A Vehicle Routing Problem with Flexible Time Windows", *Computers & Operations Research*, 52 (Part A), 39–54.

[35] O. Jabali, W. Rei, M. Gendreau and G. Laporte (2014). "Partial-Route Inequalities for the Multi-Vehicle routing Problem with Stochastic Demands ", *Discrete Applied Mathematics*, 177:20, 121–136.

[36] O. Jabali, M. Gendreau and G. Laporte (2012). "A Continuous Approximation Model for the Fleet Composition Problem", *Transportation Research Part B*, 46:10, 1591–1606.

[37] O. Jabali, T. Van Woensel and A.G. de Kok (2012). "Analysis of Travel Times and CO_2 Emissions in Time-Dependent Vehicle Routing", *Production and Operations Management*, 21:6, 1060–1074.

[38] D. Sinreich, O. Jabali and N. P. Dellaert (2012). "Reducing Emergency Department Waiting Times by Adjusting Work Shifts Considering Patient Visits to Multiple Care Providers", *IIE Transactions*, 44:3, 163–180.

[39] O. Jabali, T. Van Woensel, A.G. de Kok, C. Lecluyse and H. Peremans (2009). "Time-Dependent Vehicle Routing Subject to Time Delay Perturbations", *IIE Transactions*, 41:12, 1049–1066.

[40] D. Sinreich and O. Jabali (2007). "Staggered Work Shifts: A Way to Downsize and Restructure an Emergency Department Workforce yet Maintain Current Operational Performance", *Health Care Management Science*, 10:3, 293–308.

Refereed conference proceedings

[41] T. Schettini, O. Jabali and F. Malucelli (2021). "Metro Scheduling for Special Events", *Transportation Research Procedia*, 52, 147–154.

[42] M. E. Bruni, O. Jabali and S. Khodaparasti (2021)."The Electric Vehicle Route Planning Problem with Energy Consumption Uncertainty", 2020 Forum on Integrated and Sustainable Transportation Systems (FISTS), 224–229.

[43] P. Fontaine, T.G. Crainic, O. Jabali and W. Rei (2017). "The Impact of Combining Inbound and Outbound Demand in City Logistics Systems ", *IEEE 41st Annual Computer Software and Applications Conference (COMPSAC)*, 2, 766 –770.

[44] O. Jabali, T. Van Woensel, C. Lecluyse, H. Peremans and A.G. de Kok (2007). "Stochastic Vehicle Routing with Random Time Dependent Travel Times Subject to Perturbations", Vervoerslogistieke Werkdagen, Eds. F.J.A. Witlox and C.J. Ruijgrok, ISBN 978-90-8756-027-6, 585–597.

Books and book chapters

[45] M. Gendreau, O. Jabali and W. Rei (2014). "Stochastic Vehicle Routing Problems", *In P. Toth and D. Vigo (eds.), Vehicle routing: Problems, methods, and applications, second edition, MOS-SIAM Series on Optimization*, SIAM, Philadelphia, ISBN: 978-1-611973-58-7, 213–239.

[46] O. Jabali (2010). "Time and Timing in Vehicle Routing Problems", Ph.D. thesis, Eindhoven University of Technology, the Netherlands, ISBN: 978-90-386-2348-1.

Book reviews

[47] O. Jabali, Book review (2013). "Hybrid Algorithms Service, Computing and Manufacturing Systems: Routing and Scheduling Solutions". J.R. Montoya-Torres, A.A. Juan, L.H. Huatuco, J. Faulin and G. L. Rodriguez-Verjan (eds.), IGI GLOBAL, USA, ISBN13: 9781613500866, *Interfaces*, 43:3, 293–295.

Reports and professional articles

[48] S. A. Cordier, O. Jabali and F. Malucelli (2020). "A tactical maintenance optimization model for multiple interconnected energy production systems", 2020-05-7782, Optimization Online.

[49] O. Jabali and G. Erdoğan (2015). "Continuous Approximation Models for the Fleet Replacement and Composition Problem", CIRRELT-2015-64, Montréal, Canada.

[50] S. Pelletier, O. Jabali and G. Laporte (2015). "Battery electric vehicles for goods distribution: a survey of vehicle technology, market penetration, incentives and practices ", CIRRELT-2014-43, Montréal, Canada.

[51] D. Sinreich, Y. Marmor, O. Jabali with Research Assistants (2006). "Hillel Yafe Medical Center Emergency Department Performance Report", Research Center for Work Safety and Human Engineering, HEIS-16-05, Faculty of Industrial Engineering and Management, Technion, Haifa, Israel (in Hebrew).

[52] D. Sinreich, Y. Marmor, O. Jabali with Research Assistants (2006). "Poria Medical Center Emergency Department Performance Report", Research Center for Work Safety and Human Engineering, HEIS-3-06, Faculty of Industrial Engineering and Management, Technion, Haifa, Israel (in Hebrew).

SUPERVISION

Post-doctoral fellows

04/2021	T. Schettini, "Heuristics for Demand-Driven Timetabling". Politecnico di Milano. Co-supervised with F. Malucelli.
03/2017 – 06/2019	O. Arslan,"Multiple path selection problems". HEC Montréal. Co-supervised with G. Laporte.
10/2016 – 09/2017	P. Fontaine, "Service network design for city logistics". Université du Québec à Montréal. Co-supervised with T. G. Crainic and W. Rei.
10/2015 – 04/2017	C. Koç, "Pollution in long-haul transportation". HEC Montréal. Co-supervised with G. Laporte.
10/2014 – 07/2015	D. Taş, "A Capacitated Multi-Item Lot Sizing Problem with Stochastic Setup Times". HEC Montréal. Co-supervised with M. Gendreau and R. Jans.
10/2013 – 09/2014	D. Taş, "The traveling salesman problem with time-dependent service times". HEC Montréal. Co-supervised with M. Gendreau and G. Laporte.
03/2013 – 06/2013	A. R. Vahed, "Location problems in humanitarian logistics". HEC Montréal. Co-supervised with G. Laporte.

Ph.D. students

10/202–	X.Ren, "Optimization of Last-Mile Delivery with Vehicle and Heterogeneous Drones". Northwestern Polytechnical University, Xi'an.
11/2020 –	D. Croci, "Optimizing innovative last mile logistic services". Politecnico di Milano. Co-supervised with F. Malucelli.
11/2017 – 04/2021	T. Schettini, "Demand-Driven Timetabling Optimization for Automated Metro Lines". Politecnico di Milano. Co-supervised with F. Malucelli.
05/2015 – 08/2019	S. Pelletier, "Goods distribution with electric vehicles". HEC Montréal. Co-supervised with G. Laporte (*Winner of the 2021 Governor General's Academic Medal, Canada*)
06/2014 – 08/2017	M. Salavati, "Recourse policies in vehicle routing problem with stochastic demands". Université de Montréal. Co-supervised with M. Gendreau and W. Rei.
09/2012 – 06/2015	C. Koç, "Heterogeneous location- and pollution-routing problems". University of Southampton. Co-supervised with T. Bektaş and G. Laporte. (*Winner of the Operational Research Society's 2015 Doctoral Award, the United Kingdom*)

Researchers

10/2019 – 09/2020	S. Cordieri , "Optimization Algorithms for Vehicle Routes with Refuelling Stops". Politecnico di Milano. Co-supervised with F. Malucelli.

M.Sc. students (theses)

05/2021 – 10/2021	K. Hartmann, "Truck travel time estimation inside an open pit mine considering congestion. Politecnico di Milano & Pontificia Universidad Católic de Chile, with Pedro Gazmuri
09/2020 – 07/2021	L. Codazzi,"Charge scheduling with V2G in urban transport". Politecnico di Milano. Co-supervised with A. Froger.
04/2019 – 07/2021	I. Elkhoudar,"Electric vehicle charge scheduling for residential neighbourhoods and commercial buildings". Politecnico di Milano. Co-supervised with J.E. Mendoza.
09/2020 – 06/2021	L. Benazzoli "A heuristic algorithm for the electric vehicle routing problem with non-linear charging functions considering a heterogeneous fleet". Politecnico di Milano.
03/2020 – 04/2021	S. del Val,"Technology competition for the low-carbon freight transport transition". Politecnico di Milano and ETH Zürich. Co-supervised with Bessie Noll, Bjarne Steffen and Tobias Schmidt.

07/2020 – 04/2021 M. Fateh, "Optimizing the design of PV plants for the cases of a fixed tilt angle and a solar tracker". Politecnico di Milano.

09/2018 –06/2020 M.G. Botti, "Managing reservoirs for hydro-power systems". Politecnico di Milano. Co-supervised with F. Errico.

03/2019 – 12/2019 A.G. Sakthivel, "The influence of the sequence of typical periods on cost optimal energy system design with a high share of renewable energies". Politecnico di Milano.

09/2018 – 07/2019 S. Cordieri , "Managing multiple interconnected energy production systems". Politecnico di Milano. Co-supervised with F. Malucelli.

06/2015 –06/2018 D. Suissa, "Optimisation du design d'un entrepôt et de l'allocation des produits ayant une demande dynamique comprenant des décisions d'externalisations ". HEC Montréal. Co-supervised with Y. Adulyasak.

05/2017 – 11/2017 S. Bazzano, "A last-mile delivery model innovation applied to the adidas global logistics and omnichannel strategies: the glitch project". Politecnico di Milano and Politecnico di Torino. Co-supervised with G. Perboli.

04/2016 – 10/2017 C. Lu ,"The heterogeneous vehicle routing problems with closed and open routes in a food distribution cooperative". HEC Montréal. Co-supervised with J. Paquette.

04/2014 – 04/2016 H. Wang, "Improving the carbon footprint of distribution networks". HEC Montréal. Co-supervised with J.-F. Cordeau.

02/2014 – 06/2015 K. Zeng, "Managing the distribution network of ready-to-use therapeutic food: the case of UNICEF in Kenya". HEC Montréal. Co-supervised with M.-E. Rancourt (in collaboration with UNICEF Kenya).

02/2014 – 06/2015 F. Diaz, "Network design for food aid distribution with a service perspective". HEC Montréal. Co-supervised with M.-E. Rancourt (in collaboration with The World Food Program and the Kenya Red Cross Society).

07/2013 – 12/2014 Q. Zhong, "Lot sizing problem in a two-level supply chain with carbon emission constraints". HEC Montréal. Co-supervised with R. Jans.

05/2013 – 12/2014 A. Leuliet, "New cuts for the vehicle routing problem with stochastic demand". École Polytechnique de Montréal. Co-supervised with G. Desaulniers and W. Rei.

07/2012 – 02/2014 S. Khtatfa, "Algorithme de séparation locale pour le problème de tournées de véhicules avec demandes stochastiques". Université du Québec à Montréal. Co-supervised with W. Rei.

M.Sc. students (projects)

04/2020 –12/2020 E.R. Funaro "A heuristic algorithm for the electric vehicle charge scheduling problem". Politecnico di Milano.

04/2020 – 10/2020 D. Croci, "Districting for routing with consistency". Politecnico di Milano.

02/2020 – 06/2020 F. Rossetti "A charge scheduling for electric freight vehicles, an Italian perspective".Politecnico di Milano.

02/2011 – 08/2011 E. Arslantay, "Vehicle routing problems with flexible time windows". Eindhoven University of Technology. Co-supervised with Prof. T. Van Woensel.

02/2010 – 07/2010 Y. Li, "Self imposed time windows in vehicle routing problems". Eindhoven University of Technology. Informal supervision with Prof. T. Van Woensel.

01/2009 – 07/2009 I.J.G. van den Akker, "Calculating and reducing carbon dioxide emissions for an eye health company". Eindhoven University of Technology. Informal supervision with Dr. T. Tan and Prof. J.C. Fransoo.

Ph.D. EVALUATION COMMITTEES

4 May 2020	Ph.D. thesis examiner of Nicholas D. Kullman, Université de Tours, France Dynamic Decision Making Under Uncertainty in Vehicle Routing and Logistics
Dec. 2018	Referee for the Ph.D. thesis of Andrea Mor, Consolidation and coordination of routes in urban distribution. Doctoral Degree in Analytics for Economics and Business, University of Bergamo
22 Jan. 2016	Predoctoral exam of Thomas Chabot, Doctorat en Administration des affaires La gestion des systèmes dentreposage, Université Laval

EDITORIAL WORK

Associate editor	Transportation Research Part C: Emerging Technologies
Associate editor	International Transactions in Operational Research
Associate editor	INFOR: Information Systems and Operational Research
Editorial board member	Transportation Research Part E: Logistics and Transportation Review

REVIEWING ACTIVITIES

Journals	*Asia-Pacific Journal of Operations Research*, *Computers & Operations Research*, *Discrete Applied Mathematics*, *EURO Journal on Transportation and Logistics*, *IIE Transactions*, *Interfaces*, *Journal of Industrial Ecology*, *Journal of the Operational Research Society*, *Management Science*, *Manufacturing & Service Operations Management*, *Networks*, *Operations Research*, *Production and Operations Management*, *Transportation Research Part B*, *Transportation Research Part C* and *Transportation Science*.
Grants	*Expert reviewer for a research proposal for the Dutch Research Council (NWO), the Netherlands*, *Expert reviewer for a research proposal for the NWO Vidi scheme, the Netherlands*, *External reviewer for a research proposal of Natural Sciences and Engineering Research, Council of Canada (NSERC), Canada*, *Expert reviewer for a research proposal at KU Leuven, Belgium*, *Expert reviewer for a research proposal for the Israel Science Foundation*, *Expert reviewer for research proposals at ORT Braude College, Israel.*

EVALUATION COMMITTEES

2021	Grant evaluation committee member for the Israeli Smart Transportation Research Center (ISTRC)
2017	Member of the jury for the J.A. DeSève Ph.D. scholarship, HEC Montréal
01/2016 – 08/2016	Academic advisor for the M.Sc. in Global Supply Chain Management HEC Montréal, Department of Logistics and Operations Management, Canada
2013	Member of the jury for the Jeux du Commerce, HEC Montréal, Canada

PLENARY TALKS & MINI-COURSES

13–14 May 2020	The 20th Swiss Transport Research Conference, online Plenary: "Using Electric Vehicles for Goods Distribution".
18–20 Sep 2019	The 11th Logistics Management conference of the Scientific Commission for Logistics of the German Academic Association for Business Research, Halle, Germany. Plenary: "Emission oriented modelling and optimization in transportation."
1–2 June 2018	VeRoLog PhD school, ODYSSEUS'18, Cagliari, Italy Mini-Course: "Stochastic Vehicle Routing Problems".
22–23 March 2018	The 19th EU/ME workshop on metaheuristics for industry, Geneva, Switzerland Plenary: "Pollution-Routing Problems".

INVITED SEMINARS

10 Jan. 2020	Workshop on Smart Cities Optimization The Fields Institute for Research in Mathematical Sciences, Canada "Using Electric Vehicles in Logistics Activities".
21 Feb. 2018	Chair of Logistics at the Department of Business Studies and Economics University of Bremen, Germany "Charge Scheduling for Electric Freight Vehicles".
14 Sep. 2017	School of Industrial Engineering, Eindhoven University of Technology, the Netherlands "Charge Scheduling for Electric Freight Vehicles".
29 Jan. 2016	School of Industrial Engineering, Eindhoven University of Technology, the Netherlands "The Fleet Size and Mix Pollution-Routing Problem".
19 June 2015	Dipartimento di Elettronica, Informazione e Bioingegneria, Politecnico di Milano, Italy "New Valid Inequalities for the Multi-Vehicle Routing Problem with Stochastic Demands".
25 Feb. 2013	School of Management, University of Southampton, United Kingdom "A Continuous Approximation Model for the Fleet Composition Problem".
14 May 2012	Dipartimento di Elettronica, Informatica e Sistemistica, Università della Calabria, Italy "A Continuous Approximation Model for the Fleet Composition Problem".
9 May 2012	The Department of Quantitative Methods, University of Brescia, Italy "A Continuous Approximation Model for the Fleet Composition Problem".
9 Jan. 2012	Department of Logistics and Operations Management, HEC Montréal, Canada "Analysis of Travel Times and CO_2 Emissions in Time-Dependent Vehicle Routing".
19 May 2010	Department of Operations Management, ESSEC Business School, Cergy-Pontoise, France "Analysis of Travel Times and CO_2 Emissions in Time-Dependent Vehicle Routing".
7 May 2009	Department of Mechanical Engineering, Université Laval, Quebec, Canada "Travel Times and CO_2 Emissions in Time-Dependent Vehicle Routing".
17 Oct. 2007	Management School, Lancaster University, UK "Vehicle Routing with Random Time Dependent Travel Times Subject to Perturbations".

CONFERENCES AND WORKSHOPS

4–7 July 2017	IEEE 41st Annual Computer Software and Applications Conference (COMPSAC) Torino, Italy "The Impact of Combining Inbound and Outbound Demand in City Logistics Systems".
6–8 June 2016	VeRoLog annual workshop of the EURO working group on Vehicle Routing and Logistics optimization, Nantes, France "A local branching matheuristic for the multi-vehicle routing problem with stochastic demands".
6–8 July 2015	INFORMS Transportation Science and Logistics Society Workshop, Berlin, Germany "The fleet size and mix pollution-routing problem".

6–10 July 2014	GO IX, International Colloquium on Graphs and Optimization 2014, Sirmione, Italy "A Continuous Approximation Model for the Fleet Replacement and Routing Problem".
18–22 May 2013	IIE annual conference and Expo, San Juan, Puerto Rico "Reducing Emergency Department Waiting Times by Adjusting Work Shifts Considering Patient Visits to Multiple Care Providers".
15–17 Aug. 2012	RIRL 2012, HEC Montréal, Canada "Reducing Emergency Department Waiting Times by Adjusting Work Shifts Considering Patient Visits to Multiple Care Providers".
13–16 Nov. 2011	INFORMS Annual Meeting, Charlotte, USA "The Fleet Mix and Size Vehicle Routing Problem: a Continuous Approximation Approach".
2–4 May 2011	Optimization Days, HEC Montréal, Canada "Self-Imposed Time Windows in Vehicle Routing Problems".
7–10 Nov. 2010	INFORMS Annual Meeting 2010, Austin, USA "Self-Imposed Time Windows in Vehicle Routing Problems".
7–10 Jul. 2010	24^{th} European Conference on Operational Research, Lisbon, Portugal "Analysis of Travel Times and CO_2 Emissions in Time-Dependent Vehicle Routing".
12–14 Jan. 2010	LNMB Conference, Lunteren, The Netherlands "Analysis of Travel Times and CO_2 Emissions in Time-Dependent Vehicle Routing".
11–14 Oct. 2009	INFORMS Annual Meeting, San Diego, USA "Consistent Vehicle Routing with Stochastic Customers: a Stochastic Programming Formulation".
5–6 Feb. 2009	ORBEL '09 – The 23^{rd} Belgian Conference on Operations Research, Katholieke Universiteit Leuven, Belgium "Self-imposed Time Windows in Time Dependent Vehicle Routing Problems".
5–8 Aug. 2008	The 3^{rd} World Conference on Production and Operations Management Tokyo, Japan "Travel Time Versus Emissions in Time Dependent VRP: Are They Truly Enemies?".
23–27 Jan. 2008	5^{th} CEMS Research Seminar, Riezlern, Austria "Emissions in vehicle routing problems".
4–7 Nov. 2007	INFORMS Annual Meeting, Seattle, USA "Robustness in Time Dependent Vehicle Routing Problems".
12 Oct. 2007	Workshop on Logistics and Supply Chain Management, Louvain School of Management, Belgium "Stochastic Vehicle Routing with Random Time Dependent Travel Times Subject to Perturbations".
17–20 Jun. 2007	14^{th} International Annual EurOMA Conference, Ankara, Turkey "Stochastic Vehicle Routing with Random Time Dependent Travel Times".

CONFERENCE COMMITTEES

20–24 June 2021	INFORMS/ALIO/ASOCIO International Conference, Medellín, Colombia Organizing Committee member (*postponed*)
31 May – 4 June 2021	ODYSSEUS 2021 workshop, Tangier, Morocco Member of the scientific committee (*postponed*)
16–18 Sep. 2020	The 23rd European Working Group on Transportation 2020, Paphos, Cyprus Technical program committee member
15-17 June 2020	The 18th Cologne-Twente Workshop on Graphs and Combinatorial Optimization, Ischia, Italy Program committee member
8 – 10 June 2020	Network Optimization Workshop 2020, Lecce, Italy, (*cancelled*) Member of the organising committee

27 – 29 May 2020	INFORMS Transportation and Logistics Society Conference Washington, D.C, USA (*cancelled*) Member of the scientific committee
24–26 Aug. 2015	The sixth International Workshop on Lot Sizing HEC Montréal, Canada Member of the organizing committee
6–8 Jul. 2015	TSL Workshop Recent Advances in Urban Transportation through Optimization and Analytics, Berlin, Germany Member of the scientific committee
1–3 May 2013	The 10^{th} Conference on Computational Management Science HEC Montréal, Canada Member of the organizing committee

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TEACHING EXPERIENCE

2016 –	**Lecturer** Politecnico di Milano, Dipartimento di Elettronica, Informazione e Bioingegneria, Italy Metodi di Ottimizzazione della Ricerca Operativa (Fall 2020, Fall 2021) Graph Optimization (Winter 2020) Numerical methods for optimization (Fall 2017, Fall 2019, Fall 2020, Fall 2021) Foundations of operations research (Fall 2016, Fall 2017)
2012 – 2016	**Lecturer** HEC Montréal, Canada Optimisation des réseaux logistiques et de transport (Winter 2014, Winter 2016) Planning and control of logistics systems (Fall 2012, Fall 2013, Fall 2015) Research workshop in global supply chain (Summer 2013, Winter 2014, Winter 2016) Operations management (Winter 2013)
2012	**Lecturer** McGill University, Desautels Faculty of Management Montréal, Canada Analysis of production operations (Winter 2012)
2009	**Co-lecturer** Eindhoven University of Technology, School of Industrial Engineering, Eindhoven, the Netherlands Strategic and operational decision making in transportation and logistics (Winter 2009)
2008 – 2009	**Teaching Assistant** Eindhoven University of Technology, School of Industrial Engineering, Eindhoven, the Netherlands Management accounting (Spring 2008, Spring 2009) Data collection and analysis (Winter 2008, Winter 2009)
2002 – 2006	**Teaching Assistant** Technion, Israel Institute of Technology, Faculty of Industrial Engineering and Management, Haifa, Israel Supply chain management (Spring 2006) The annual project in production and service systems (Spring, Winter 2004, Spring 2005) Project planning and management (Winter 2005, Spring 2006) Case studies in industrial engineering (Winter 2002, Winter 2004)

GRANTS & INDUSTRIAL CONTRACTS

2020 – 2023 Project: "Optimising Innovative Last Mile Logistic Services" (Ph.D. student funding)
Company: Speedy SRL
Amount: 70,630 €
Role: Project supervisor with F. Malucelli

2020 – 2024 Project: "Electric Vehicle Charging Infrastructure for improved User Experience"
Institute: European Commission (EC), Horizon 2020 (LC-GV-03-2019)
Amount: 96,000 €
Role: PI of Politecnico di Milano

2019 – 2020 Project: "Forecasting Heating Consumption Over a Network Within an Hourly Resolution"
with F. Malucelli
Organization: Mathesia, Italy
Amount: 24,500 €
Role: Co-PI

2019 – 2020 Project: "Optimization algorithms for truck routes with refuelling stops"
Company: FAI service, Italy
Amount: 40,000 €
Role: PI

2016 – 2019 Program: "Rita Levi Montalcini" program for young researchers
Institute: The Italian Ministry of Education, Universities and Research
Amount: 193,373 €
Role: PI

2016 – 2017 Project: "Le transport urbain de marchandises avec des véhicules électriques à batterie"
Institute: Fonds de Recherche du Québec – Nature et Technologies (FRQNT)
Program: New university researchers start up program
Amount: 50,800 C$
Role: PI

2014 Project: "Improving the carbon footprint of distribution networks:
the case of Suncor (Petro-Canada) Mississauga lubricants refinery"
with J.-F. Cordeau and R. Jans
Institute: Pôle e3 – expertise in energy and environment, HEC Montréal
Program: Research grant
Amount: 18,500 C$
Role: Co-PI

2013 – 2018 Project: "Freight transportation planning"
Institute: Natural Sciences and Engineering Research Council of Canada (NSERC)
Program: Discovery grant
Amount: 120,000 C$
Role: PI

2013 – 2014 Project: "Literature survey on location problems in humanitarian logistics"
Institute: HEC Montréal
Program: Aide au démarrage de projets de recherche
Amount: 5,000 C$
Role: PI

AWARDS AND DISTINCTIONS

2021	The *Transportation Science* Meritorious Service Award
2020	Italian habilitation for full professor in operations research (sector 01/A6)
2019	Honorable Mention - The best paper in 2019 Transportation Science and Logistics society of INFORMS for the article: O. Arslan, O. Jabali and G. Laporte (2018). "Exact Solution of the Evasive Flow Capturing Problem", *Operations Research*, 66, 1625–1640.
2017	Italian habilitation for associate professor in operations research (sector 01/A6)
2016	"Rita Levi Montalcini" fellowship for young researchers The Italian Ministry of Education, Universities and Research
2015	"Nouveau chercheur" prize at HEC Montréal.
2013	*IIE Transactions* Best Paper Prize in Scheduling and Logistics for the article: D. Sinreich, O. Jabali and N. P. Dellaert (2012). Reducing Emergency Department Waiting Times by Adjusting Work Shifts Considering Patient Visits to Multiple Care Providers, *IIE Transactions*, 44, 163-180.
2004 – 2006	Scholarship for the master's thesis from Technion, Israel Institute of Technology

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LANGUAGE SKILLS

Arabic	Mother tongue
Hebrew	Fluent
English	Fluent
French	Fluent
Italian	Fluent
